EnviroMetrics GTR97X

Date Revised: 30 JAN 04

VENDOR DESCRIPTION

The GTR97X is the reader unit for the GTP9700 series of electronically readable total-dose sensors for high-energy radiation. The omnidirectional transducer is a passive zero-power integrating dosimeter with electronic readout. The electronic readout operation is non-destructive, so a single transducer tag may be read multiple times.

The reader unit is designed for rapid evaluation of multiple transducer tags by unskilled operators.

On customer request, readers can be designed for special applications such as on-line monitoring.

Product Manager Robotic & Unmanned Sensors
Telephone: (732) 427-5827 / DSN 987
Fax: (732) 427-5072 / DSN 987
e-mail: SFAE-IEWS-NV-RUS@iews.monmouth.army.mil

Business Category: Small Business

NRD

Hardware	
Power: 5 watts	Operating Altitude: N/A
Weight: 0.8 kg	Operating Speed: N/A
Dimensions: 24cm x 18cm x 12cm	Operating Temp.: 0°C to 70°C
Internal Volume: 5.2E-3 m^3	Storage Temp.: -40°C to 120°C
On-board storage capacity to handle X hours on station (N/A)	Interface: PC computer LPT port
Sensor Type: Solid-state semiconductor	Bandwidth Required: N/A
Sensor Field of View: ±360°	TCDL Compatibility: No
Detection Level: 1.5E-3 Gy/hr dose rate	MTBSA: >1000 hrs
Accuracy: 2% of total dose	MTTR: 2000 hrs
	Maintainability: Reader can execute BIT to LRU level

Performance
Completes 99.9% of the Missions it states w/out experiencing a mission abort
Sensor Contains Internal Permanent Archive – Yes
Reader Hardened to Mitigate Damaging Effect from EMP – No
Reader Hardened to Eliminate Damaging Effect from EMP – No
Reader Hardened to Mitigate Damaging Effect from Gamma Radiation – No
Reader Hardened to Eliminate Damaging Effect from Gamma Radiation – No